

# High School to College Articulation Map

**Area of Study:** Health Science & Technology Education

**Pathway:** Biotech Research & Dev - Biotechnology

**National Career Cluster:** Health Science

<b>Region</b> Wasatch Front	<b>District</b>	<b>School</b>	<b>College / Institution</b> Salt Lake Community College
<b>Contact person</b> Don Johnson	<b>Ph.#</b> 957-5807		<b>Articulation Agreement in place?</b> Yes * No
<b>e-mail</b> don.johnson@slcc.edu	<b>Date</b> 10-20-06		<b>Name of Degree or Certificate</b> Biotechnology Associate of Applied Science Degree (71 hours required)

High School				College		
Course #	High School Suggested Courses	H.S. Credit	College Credits	Course #	College General Education Requirements	Credits
	ENGL 1010*	1	3 ⇨	ENGL 1010	Introduction to Writing	3
	MATH 1010*	1	4 ⇨	MATH 1010	Intermediate Algebra	4
	COMM 1010*	1	3 ⇨	COMM 1010	Elements of Effective Communication	3
				LE 1220	Human Relations/Career Development	3
	Course from 1 area: FineArts, Humanities, Interdiscip, SocSci*	1	3 ⇨		Course from 1 area: FineArts, Humanities, Interdisciplinary, SocSci	3
<b>H.S.Total (General Ed.)And Other Available Credits</b>			<b>13</b>	<b>College Total Credits</b>		<b>16</b>
Course CIP #	High School Career Pathway Courses (min. # Required: 3)	H.S. Credit	College Credits	Course #	College Major Course Requirements	Credits
<b>Course#</b>	<b>Introductory Course: (preferred)</b>	<b>Credit</b>				
51.1105	Health Science, Introduction	.50				
<b>Course#</b>	<b>Foundation Courses: (required)</b>	<b>Credit</b>				
51.1099	Biotechnology (Intro Hlth Med Lab Tech)*	1.00	3 ⇨	BTEC 1010	Fundamentals/Biotechnology I	3
<b>Course #</b>	<b>Elective Courses:</b>	<b>Credit</b>				
51.1315	Medical Anatomy & Physiology	1.00				
51.1315	Medical Terminology	.50				
51.1316	Health Sci, Advanced (capstone course)	1.00				
32.0199	Student Internship (Critical Wkplace Skills)	.50				
	<b>Additional Articulated Classes Below</b>	<b>Credit</b>				
	BIOL 1210, 1215 (on campus current only)*	1	4	BIOL 1210,1215	General Biology & Lab	4
	BIOL 2020, 2025(on campus current only)*	1	4	BIOL 2020,2025	Cell Biology & Lab	4
	BIOL 2030, 2035(on campus current only)*	1	4	BIOL 2030,2035	Genetics & Lab	4
	BIOL 2060, 2065(on campus current only)*	1	4	BIOL 2060,2065	Microbiology & Lab	4
	CHEM 1110*	1	4 ⇨	CHEM 1110	Elementary Chemistry	4
	CHEM 1115*		1 ⇨	CHEM 1115	Elementary Chemistry Lab	1

	BTEC 1020 Invitation Academy Only*	.5	3	BTEC 1020	Fundamentals/Biotechnology II	3
	BTEC 1030 (On Campus Current Only)*	.5	2	BTEC 1030	Biotechnology Seminar I	2
	BTEC 1060 (On Campus Current Only)*	.5	2	BTEC 1060	Nucleic Acid/Protein Biotech	2
	BTEC 2010 (On Campus Current Only)*	1	4	BTEC 2010	DNA Manipulation/Analysis	4
	BTEC 2020 (On Campus Current Only)*	1	4	BTEC 2020	Protein Separation/Analysis	4
	BTEC 2030 (On Campus Current Only)*	.5	3	BTEC 2030	Cell Culture Techniques	3
	BTEC 2040 (On Campus Current Only)*	1	4	BTEC 2040	Advanced lab Techniques	4
	BTEC 2050 (On Campus Current Only)*	.5	2	BTEC 2050	Bioinformatics	2
	BTEC 2100 (On Campus Current Only)*	1	7	BTEC 2100	Biotechnology Internship	7
Total Pathway Credits			55 ➡	Total Major Course Credits Required		55
TOTAL Potential(college) Credits Earned in High School			68	TOTAL Credits Required for Major		71

*Note: Students planning on transferring to a 4 year institution, CHEM 1210/1215 & MATH 1050 are recommended in place of CHEM 1110 & MATH 1010. CHEM 1110/1115 can be substituted for the CHEM 1210/1215 prerequisite for BIO 2230.*

**Note:** This is a regional agreement. Some classes and some concurrent enrollment agreements may not be available in your particular high school. See your individual school for specific program offering. **Note: \*= concurrent; \*\*= distant** **updated 10-20-06**